

# BOTHALIA

## CONTENTS TO VOLS 1—20

H.F. GLEN, B.A. MOMBERG and E. POTGIETER

Edited by—Onder redaksie van

O.A. LEISTNER

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ISSN 0006 8241  
ISBN 1-874907-31-5



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<https://archive.org/details/contentstovolume120unse>

## INTRODUCTION

This publication consists of the following: a brief history of *Bothalia*; a list of all papers published, arranged according to authors and dates; a list of all authors and keywords in titles; tables with publication dates, major subjects covered and some information on authors.

*Bothalia* is the third South African journal dedicated specifically to the publication of botanical information. All three journals were produced by the Division of Botany and Plant Pathology, a precursor of the Botanical Research Institute and lately of the National Botanical Institute. The first of the *Memoirs of the Botanical Survey of South Africa* appeared in 1919. This was followed by the first volume of the illustrated *Flowering Plants of South Africa* in 1921 (preface dated December 1920) and, also in 1921, *Bothalia* (preface dated January 1921).

There have been five editors of *Bothalia* in the seven decades since its foundation. Dr I.B. Pole Evans started the journal, and remained its editor until 1939, when the last number of volume 3 was published. Dr R.A. Dyer took over the reins with the first number of volume 4 (1941), and remained editor until the end of volume 6 (1957). The third editor was Dr L.E. Codd, who reigned from 1958 (vol. 7,1) to 1974 (vol. 11,3). From the last number of volume 11 (1975) to the end of volume 15 (1985), the editor was Dr D.J.B. Killick. The present editor, Dr O.A. Leistner, assumed office in 1986 with the first issue of volume 16.

As originally envisaged, each volume of *Bothalia* consisted of four numbers, published whenever the coincidence of material and funds permitted. Volumes thus took several (two to eight) years to complete. The first exception to this was as early as volume 2, which was published in three parts. For some now forgotten reason, these were numbered 1a, 1b and 2. The next exception to the general rule was volume 5, which was entirely devoted to a massive paper on fungi by Dr E.M. Doidge. Nowadays such a paper would probably have appeared in the *Memoirs of the Botanical Survey of South Africa* series, but in those days the *Memoirs* were exclusively ecological in orientation. Later, in 1973, 1980, 1981 and 1983 to 1985, two nominal parts were combined in one, with no reduction in the number of pages issued. From volume 16 (1986) onwards, each volume of *Bothalia* has consisted of two parts, and has been completed within a year. One reason for this change is pressure from librarians, and another is general convenience. A side effect has been that the number of pages in each volume has been roughly halved, though the number of papers published per year has not been affected by this change.

The dates of publication, particularly of the early issues, are not readily ascertainable with any precision. Table 1 shows the nominal date of publication of each number of *Bothalia*. Early nominal dates were obtained from the front wrappers of individual parts, where these still existed; later dates (from vol. 9, 1966) are from the contents pages of completed volumes. From 1970 (volume 10,2), the date of receipt by the Mary Gunn Library is also given, based on the dates of issue vouchers from the Division of

TABLE 1.—Dates of publication of the various issues of *Bothalia*

Vol.	Part	Nominal publication date	Date of delivery, where known
1	1	1921	
	2	1922	
	3	1922	
	4	1924	
2	1a	1926	
	1b	1927.03.31	
	2	1928	
3	1	1930.08.30	
	2	1937.01	
	3	1938.04	
	4	1939.04	
4	1	1941.08	
	2	1942.09	
	3	1948.03	
	4	1948.10	
5		1950.01	
6	1	1951	
	2	1954	
	3	1956	
	4	1957	
7	1	1958	after 1958.07
	2	1960	before 1960.03.22
	3	1961	1961.04
	4	1962	
8	1	1962.05	
	2	1964.12	1964.12.31
	3	1965.05	
	4	1965.12	
	Supplement	1966.05	
9	1	1966.11.30	
	2	1967.08.04	
	3 & 4	1969.05.07	
10	1	1969.07.23	
	2	1971.03.14	1971.03.11
	3	1971.07.22	1971.07.23
	4	1972.08.30	1972.08.31
11	1 & 2	1973.06.13	1973.06.14
	3	1974.12.24	1975.01.09
	4	1975.07.09	1975.07.10
12	1	1976.10.18	1976.10.18
	2	1977.08.17	1977.08.17
	3	1979.06.21	1979.06.21
	4	1979.07.19	1979.07.27
13	1 & 2	1980.07.18	1980.07.16
	3 & 4	1981.10.16	1981.12.04
14	1	1982.09.26	1982.09.29
	2	1983.05.04	1983.07.19
	3 & 4	1983.11.10	1983.11.11
15	1 & 2	1984.08	1984.10.06
	3 & 4	1985.08	1985.12.10
16	1	1986.05	1986.07.03
	2	1986.10	1986.11.06
17	1	1987.07	1987.08.11
	2	1987.10	1987.10.26
18	1	1988.05	1988.06.12
	2	1988.10	1988.11.29
19	1	1989.05	1989.06.01
	2	1989.10	1989.10.30
20	1	1990.05	1990.05.23
	2	1990.10	1990.11.23

Agricultural Information or the contracting (private) firm who printed that number. Where these vouchers no longer exist, the library's own records were used. In terms of Art. 29.1 and 30.1 of the International Code of Botanical Nomenclature, these latter dates should be used where necessary to determine priority of names published in these issues of *Bothalia*.

More papers published in *Bothalia* have been about angiosperm taxonomy (553 or 45.2%) than any other botanical discipline, but most other fields of botany have been covered. The main fields dealt with in the first 1 224 papers are shown in Table 2. The field shown as 'other' is to be interpreted as mainly ethnobotany and palaeobotany with a few horticultural notes, while Administrative includes such matters as annual reports and guides to authors.

Until about 1973, when the former Botanical Research Institute moved to new premises in the Pretoria National Botanical Garden at Brummeria and the mycologists remained at 590 Vermeulen St, Pretoria, there were relatively many mycological papers in *Bothalia*. Since then, the numbers of these papers have dropped off sharply. More or less simultaneously, the numbers of ecological papers, and items dealing with plant anatomy, palaeobotany and ethnobotany, rose sharply. The first of these can possibly be traced to the move noted above, when the new home of the editorial office of *Bothalia* was near the ecologists who had moved to the garden at Brummeria before the rest of the Institute. Also, *Memoirs of the Botanical Survey of South Africa* were now reserved for longer works, and ecological fashion had turned to the production of somewhat shorter papers suitable for journal publication. The rise of anatomical, cytological, ethno- and palaeobotanical studies in recent years can be traced to the appointment of enthusiastic specialists in these fields.

TABLE 2.—Distribution of papers by subject in *Bothalia*

Subject	No.	%
Taxonomy		
Angiosperms	553	45,2
Gymnosperms	6	0,5
Pteridophytes	14	1,1
Bryophytes	30	2,5
Algae	13	1,1
Fungi	74	6,0
Lichens	18	1,5
General	29	2,4
Ecology		
Phytogeography	38	3,1
Vegetation	96	7,8
Ecophysiology	19	1,6
Other	19	1,6
Anatomy	49	4,0
Morphology	17	1,4
Cytology	25	2,0
History	12	1,0
Personalia	23	1,9
Book reviews	100	8,2
Administrative	20	1,6
Other	63	5,1

TABLE 3.—The most prolific authors in *Bothalia*

Name	No. papers
Codd, L.E.	54
Killick, D.J.B.	53
Dyer, R.A.	48
Obermeyer, A.A.	46
Ross, J.H.	38
Verdoorn, I.C.	38
Ellis, R.P.	38
Stirton, C.H.	33
Gibbs Russell, G.E.	28
Perold, S.M.	26

The editorial policy of *Bothalia* has long been to accept papers in English and Afrikaans freely, subject to the usual quality control by referees. From time to time, most notably in vol. 14 (parts 3 & 4), the proceedings of the 1982 AETFAT meeting, this rule has been bent to include papers written in French. Of the first 1 224 papers in *Bothalia*, 1 201 (98,12%) are in English, 16 (1,31%) in French and 7 (0,57%) in Afrikaans.

The ten most prolific authors publishing in *Bothalia* are listed in Table 3. Of the six retired directors of the former Botanical Research Institute, two, namely, Dr L.E. Codd and Dr R.A. Dyer, are in this table. Two others occupy 12th and 17th places. Burtt Davy (first director) resigned before *Bothalia* was started and, curiously, Pole Evans contributed only the preface to the journal which he founded. All of the most prolific authors are, or were for at least part of their careers, BRI staff members. Evidently *Bothalia* is not the journal of consistent first choice for outside botanists to publish their work. Two authors have published under both their married and maiden names, namely, Mrs D.M.C. Fourie, née Van Druten, and Mrs L. Fish, née Smook.

Table 4 gives a breakdown of the 387 authors who have contributed to *Bothalia*, by provenance. Fifteen of the authors are counted twice, as they moved during their productive lives. Although one would expect that the largest group of authors would be those attached to the former Botanical Research Institute, considering that *Bothalia* is primarily the Institute's house journal, this is not so. The biggest group, by a very small margin, is authors from other centres in South Africa. The large number of overseas contributors is partly due to the fact that vol. 14, 3 & 4 of *Bothalia* was devoted to reporting the proceedings of an international congress. However, this only accounts for about half the overseas contributors.

TABLE 4.—Provenance of papers

Provenance	No. papers	%
Old Botanical Research Institute	140	35,1
South African, not BRI	153	38,1
Foreign	109	27,1
Counted twice (see text)	15	3,7

## ACKNOWLEDGEMENTS

The authors would like to thank Dr O.A. Leistner (NBI) and Dr Don Grierson (UPE) for their help and encouragement. The help given by Mmes D. Lategan (Mary Gunn

Library) and I. Joubert (NBI) in locating archival material has been invaluable. Drs J.P. Rourke (NBG) and H.P. Linder (BOL) gave much-needed assistance in the quest for accurate publication dates. The senior author is most grateful to Mrs E. du Plessis for assistance with proofreading.

## LIST OF PAPERS

Co-authors are listed showing the year, volume, page numbers and first author.

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—1983. Quelques vertus médicinales de *Cassia occidentalis* L. (Césalpiniacées) en basse Côte d'Ivoire. 14,3 & 4: 617–620.

ALBERS, F. 1983. Cytotaxonomic studies in African Asclepiadaceae. 14,3 & 4: 795–798.

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ANDERSON, J.G. 1960. Gramineae. 7,2: 417–422.

—1962. Gramineae. 8,1: II3, II4.

—1964. Gramineae. 8,2: 170–172.

—1966. The genus *Andropogon* in southern Africa. 9,1: 5–30.

—1966. A new combination in *Hyparrhenia*. 9,1: 130.

—1967. A new variety of *Festuca costata* (Gramineae). 9,2: 341, 347.

—1967. A new species of *Panicum* (Gramineae). 9,2: 341, 342, 348.

—1969. A new generic record for South Africa (Gramineae). 10,1: 73, 74.

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ANDERSON, J.M. & ANDERSON, H.M. 1983. Vascular plants from the Devonian to Lower Cretaceous in southern Africa. 14,3 & 4: 337–344.

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ANON. 1987. Review of the work of the Botanical Research Institute, 1985/1986. 17,1: 139–153.

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—1986. A new species of *Porina* on limestone (Porinaceae). 16,1: 62–64.

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—1987. A new species of *Gonohymenia* from Etosha Pan limestone (Lichinaceae). 17,1: 35–37.

—1987. A new species of *Thyreia* from Otavi dolomite (Damara System) (Lichinaceae). 17,1: 37–40.

—1987. A new yellow *Acarospora* (Lichenes) from the Waterberg, South West Africa/Namibia (Acarosporaceae). 17,2: 179–181.

—1987. *Psathyrophlyctis*, a new lichen genus from southern Africa (Lichenes). 17,2: 182–184.

—1987. A new species of *Trapelia* (Lichenes) from southern Africa (Trapeliaceae). 17,2: 187, 188.

—1988. *Lithoglypha*, a new lichen genus from Clarens sandstone (Acarosporaceae). 18,1: 89, 90.

—1988. A new species of *Porpidia* from the Drakensberg (Porpidiaceae). 18,1: 93, 94.

—1988. *Schizodiscus*, a new porpidoid lichen from the Drakensberg (Porpidiaceae). 18,1: 94–96.

—1989. A new species of *Inezia* (Anthemideae) from the north-eastern Transvaal (Asteraceae). 19,1: 27–29.

—1989. A new *Phymaspernum* (Anthemideae) species from dolomite areas of the Wolkberg (Asteraceae). 19,1: 29–31.

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BS0366

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